Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRO\_FT\_01 |
| Project Name | Fund Transfer |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Mahender Reddy | Test Engineer | 6/22/2018 |
| Reviewed by | Role | Date of Review |
| Name | SME |  |
| Approved by | Role | Date of Approval |
| Name | Test Manager |  |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1 |  |

<<Customer>> REVIEW HISTORY

<<Customer comments on the Use case along with the signed off is tracked here>>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Version | <<Version number>> |  |  |  |  |  |
| Date | <<Date of Review>> |  |  |  |  |  |
| Reviewed by | << Reviewer Name>> |  |  |  |  |  |
| Reviewed UI Specification doc | << Whether UI Specification doc is reviewed >> |  |  |  |  |  |
| All Open Queries/issues closed | << Whether all the open queries and issues resolved>> |  |  |  |  |  |
| Agreement on Assumptions | <<Whether all the assumptions have been agreed upon by the customer>> |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘<<Project Name>>’ is restricted to the contents of this signed off use case.

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REVISION HISTORY OF THE WORK PRODUCT…………………………….. .. 12

1. Use Case Name: fund transfer

**Use Case ID:** FundTransfer\_01

**Brief Description:** This Use Case describes the process by which the account holder transfer funds between two different accounts of the bank.

1. Actor(s)
2. Account Holder
3. Cur\_ICENTURIAN
4. Sav \_ICENTURIAN
5. Preconditions

1. User has access to Intranet.

2. User has successfully logged on to the system.

1. Flow of Events

4.1 Basic Flow

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the delivery date,
4. User selects the Frequency
5. User enters the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information
9. System provides balance check
10. On successful validation system calculates the transaction fee
11. System provides transfer details along with transaction fee details for user’s verification
12. User confirms the transfer of fund by clicking the button
13. System completes the transfer successfully
    1. Alternative Flows

Alternate Flow 1 insufficient balance check

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the delivery date
4. User selects the Frequency
5. User selects the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information
9. System provides balance check
10. On successful validation system provides insufficient balance to transfer meassage

Alternate Flow 2 minimum balance check

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the delivery date
4. User selects the Frequency
5. User enters the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information
9. System provides balance check
10. On successful validation system calculates the transaction fee
11. System provides transfer details along with transaction fee details for user’s verification
12. User confirms the transfer of fund by clicking the button
13. System completes the transfer successfully

EXCEPTIONAL FLOW 1 negative amount

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the delivery date,
4. User selects the Frequency
5. User enters the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information and displays Invalid amount message

EXCEPTIONAL FLOW 2 invalid delivery date

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the Delivery date,
4. User selects the Frequency
5. User enters the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information and displays the error message Invalid delivery date

EXCEPTIONAL FLOW 2 invalid number of times

1. User accesses Intranet.
2. System shows user source accounts and destination accounts
3. User selects the Delivery date,
4. User selects the Frequency
5. User enters the Number of times
6. User enters the Transfer Amount
7. User will provides all the required details to the system
8. System validates the user information and displays the error message Invalid number of times
9. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Number of times | System displays an error message Invalid number of times |
| Insufficient balance check | System displays an error message Insufficient balance |
| Negative Amount | System displays an error message Invalid amount |
| Invalid delivery date | System displays error message invalid delivery date |

1. Special Requirements

PERFORMANCE

1. The visibility of transaction fee by submitting the details shall be displayed within 15 seconds of user request.

AVAILABILITY

1. The User can transfer funds on all the working days and national holidays.

USER INTERFACE

1. The letters on menus shall be bold and blue in color
2. The note field relaed to the rules to be followed should appear on the top of the application.
3. The active links should be displayed in blue color.

SECURITY

1. The system should not allow user to transfer fund for invalid amount.
2. The system should not allow user to transfer fund for invalid delivery date
3. Extension Points

extension in: exception flow 1

If the user has entered invalid amount

* 1. The system prompts the user to re-enter the data.
  2. The system takes the user to the step6.
  3. User enters the correct data.
  4. The system allows the user to transfer the fund

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | First Delivery should be must | Error message is if not selected |
| BR02 | Number of times should be positive number | Error message is if invalid data is entered |
| BR03 | Transfer amount should be positive number | Error message if invalid number |
| BR04 | Frequency *has 6 options* | Error message if not selected. |
| BR05 | Delivery *date* should *be greater* than *today’s date* | Error message if invalid date |
| BR06 | Transfer *Amount should be must* | Error message is if not entered |

1. Diagrams

Use Case Diagram

<< Gives the relationship between Actors and Use cases [i.e. Main Use case, Include and Extends called by Main use case>>



Activity Diagram

<< Activity Diagram gives the high level interaction between the user, system and sub systems. Ideally only one activity diagram should be made per use case. >>



1. Scenarios

Success Scenarios

* Amount is successfully credited in to desination account and debited from source account

Failure Scenarios

* Failed Amount transfer due to Insufficient balance
* Failed Amount transfer due to Invalid Amount
* Failed Amount transfer due to Invalid delivery date

1. Issues

* What if the user marked wrong option
* What if the connection is lost during transfer

1. Inter System Dependencies

**Module:** Fund transfer get impacted due to Delivery Date

Use case name: Alternate Flow 1

**Impact**: If the user tries to enter the to Delivery Date before the todays’s Date Transaction is not allowed

1. Assumptions
2. User is having an acess to Intranet.
3. The website is available within 15 sec on entering the URL.
4. All the options are visible and fuctional.

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Date | Version # | Section Changed | Details of changes made | Approved By |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |